

Title (en)  
Body structure for vehicle

Title (de)  
Fahrzeugaufbau

Title (fr)  
Structure de carrosserie pour véhicule

Publication  
**EP 1132280 A1 20010912 (EN)**

Application  
**EP 00309593 A 20001031**

Priority  
JP 2000066478 A 20000310

Abstract (en)  
A front pillar (1), to which the passenger cabin end of a hood ridge panel (2) is connected, is arranged to have different localized structural deformation resistance which buckle/deform in a manner which causes the hood ridge panel (2) to reorient in response to a vehicle structure deforming force being applied to the front of the vehicle during a collision. This results in the force which passes through the hood ridge panel (2) and is redirected by a load-converting and transmitting member (21), included in the pillar (1), up and along an upper rearwardly angled upper portion (1B) of the pillar. This force redirection produces sufficient resistance to induce compressive buckling in the structure forward to the passenger cabin and thus attenuate damage to the cabin structure. <IMAGE>

IPC 1-7  
**B62D 21/15**; **B62D 25/04**; **B62D 29/00**

IPC 8 full level  
**B62D 21/15** (2006.01); **B62D 25/04** (2006.01); **B62D 25/08** (2006.01); **B62D 25/20** (2006.01); **B62D 29/00** (2006.01)

CPC (source: EP US)  
**B62D 21/15** (2013.01 - EP US); **B62D 25/04** (2013.01 - EP US); **B62D 29/008** (2013.01 - EP US)

Citation (search report)

- [X] DE 4040979 A1 19920702 - AUDI AG [DE]
- [A] WO 9741010 A1 19971106 - AUTOKINETICS INC [US]
- [XA] DE 4335029 A1 19950420 - VAW VER ALUMINIUM WERKE AG [DE]
- [A] US 5653495 A 19970805 - BOVELLAN KENT [SE], et al

Cited by  
KR101010652B1; FR2929580A1; EP1256509A3; EP2072376A1; FR2925454A1; FR2851981A1; DE102009042995A1; DE102009042995B4; FR3024414A1; CN106660588A; US7540558B2; WO2009125098A2; WO2009125098A3; WO2005056369A1; WO2016020591A1; WO2004080784A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1132280 A1 20010912**; **EP 1132280 B1 20040707**; DE 60011991 D1 20040812; DE 60011991 T2 20050721; JP 2001253365 A 20010918; JP 3446712 B2 20030916; US 2001020797 A1 20010913; US 6447052 B2 20020910

DOCDB simple family (application)  
**EP 00309593 A 20001031**; DE 60011991 T 20001031; JP 2000066478 A 20000310; US 79508701 A 20010301